

Sutton Maths Class

Year 5 - Week 20 Assessment

1 $\frac{4}{5} + \frac{2}{3} =$

2 $\frac{7}{8} \div \frac{3}{4} =$

3 What is 0.7 as a percentage?

4 What is $\frac{4}{5}$ as a decimal?

5 What is 35% as a fraction?

6 $600 \times 0.4 =$

7 $4 \div 0.5 =$

8 Find $\frac{2}{5}$ of £500

9 Find 20% of 50.

10 A dress that costs £40 is reduced in a sale by 15%. What is the new price?

11 What is 15cm as a fraction of 1.8m?

12 Calculate $-5 - 18$

13 Calculate $6 - - 12$

14 Calculate 8×-3

15 What is the highest common factor of 24 and 128?

16 Write 140 as a product of primes.

17 What are the next two terms:
1, 7, 4, 10, 7, 13, 10, ____

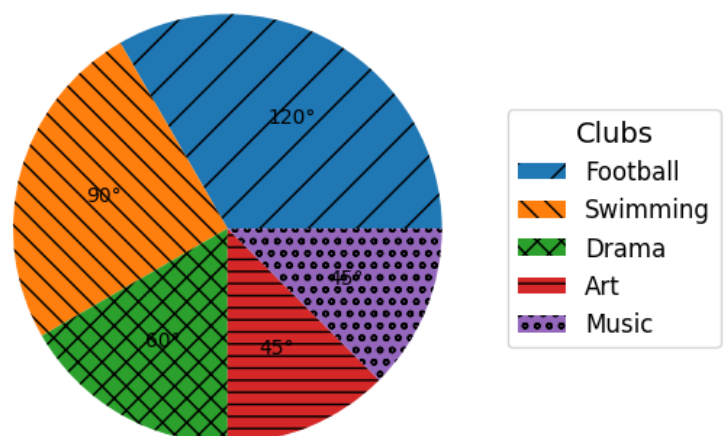
18 $7 + 2 \times 3^2$

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- 19 If $a = 2$, $b = 1$ and $c = 3$, calculate $c^2 + ca + b$
- 20 Simplify 60:10
- 21 Split £1200 in the ratio of 4:1.
- 22 Adam and Lyndon share some marbles in the ratio of 5:2. Lyndon gets 40 marbles, how many does Adam get?
- 23 Elliot and Jessica split some money so that Jessica has twice as much as Elliot. If Jessica has £70 how much does Elliot have?
- 24 Find the next term of 4, 9, 14, 19, 24 ...
- 25 Find the n^{th} term of 4, 9, 14, 19, 24
- 26 Find the 3rd term of a sequence with n^{th} term $3n - 6$.
- 27 Solve $5x - 5 = 40$
- 28 Solve $5x + 3 = 2x + 18$
- 29 What is the probability that I roll an even number on a fair six sided dice?
- 30 8km is approximately 5 miles.
Approximately how many miles is 120km?

- 31 A school asked 240 pupils which after-school club they prefer. The results are shown in a pie chart:

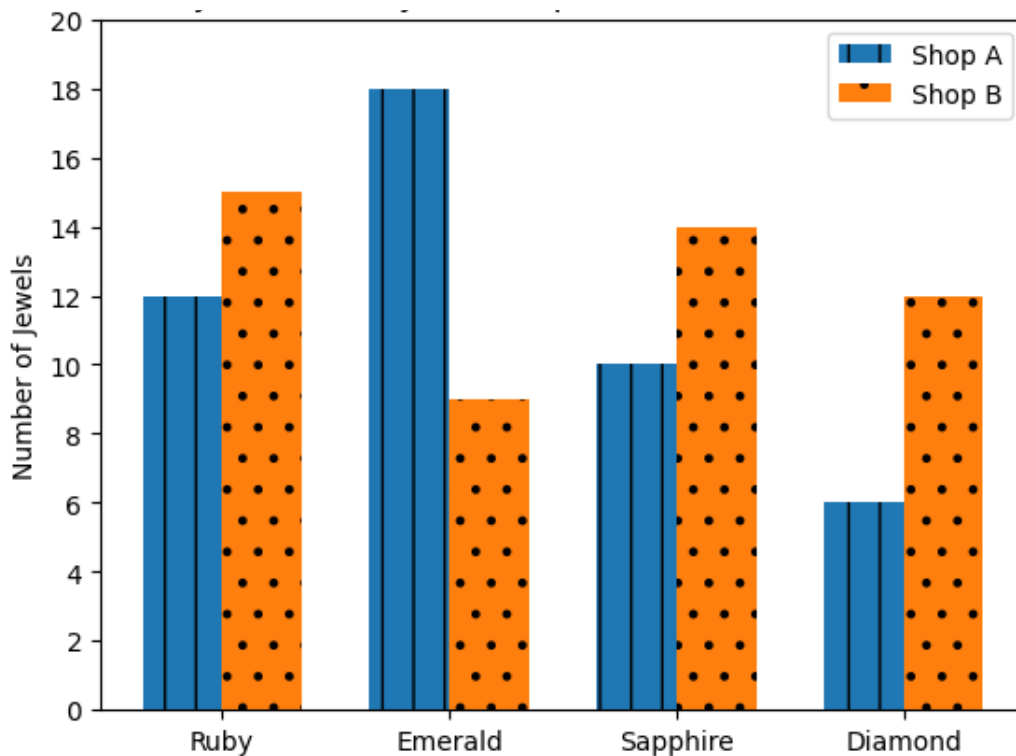
School Clubs Survey (Degrees)



- a How many pupils choose swimming?
- b How many more pupils chose football than drama?
- c What fraction of pupils chose Art or Music?

Hint: 90 degrees is $90/360 = 1/4$ of the pie chart.

- 32 The bar chart shows the number of different jewels sold by Shop A and Shop B in one week.



- How many rubies did Shop B sell?
- How many emeralds did Shop A sell?
- What is the total number of diamonds sold by both shops?
- How many more sapphires did Shop B sell than Shop A?
- What is the total number of jewels sold by Shop A?
- Which jewel shows the greatest difference between the two shops?
- How many jewels did both shops sell altogether?
- A customer says, "Shop A sold more jewels than Shop B." Is this correct?